

#5

PATENT
EXPRESS MAIL LABEL NO.: EK369475888US

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In the Application of:

LAFFEND ET AL.

CASE NO: CR9715 US DIV1

APPLICATION NO.: 08/849,404
(OF PARENT)

GROUP ART UNIT: 1653
(OF PARENT)

FILED: CONCURRENTLY HERewith

EXAMINER: BUGIASKI, G.
(OF PARENT)

FOR: BIOCONVERSION OF A FERMENTABLE
CARBON SOURCE TO 1,3-PROPANEDIOL
BY A SINGLE MICROORGANISM

10815 U.S. PTO
09/575638
05/22/00

INFORMATION DISCLOSURE STATEMENT

Assistant Commissioner for Patents
Washington, D.C. 20231

Sir:

In compliance with 37 CFR 1.97 and 1.98, Applicants bring to the attention of the U.S. Patent and Trademark Office information listed on the enclosed PTO-1449. A copy of the information is also enclosed.

Benefit of the earlier filing date of U.S. Patent Application No. 08/849,404, filed 22 May 1997 is claimed under 35 USC 120 for the above-referenced application and only copies of information not previously made of record in the parent are enclosed.

Should any fee be required in connection with the filing of this Information Disclosure Statement, please charge such fee to Deposit Account No. 04-1928 (E. I. du Pont de Nemours and Company).

Respectfully submitted,

Linda Axamethy Floyd

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Dated:

22 May 2000

INFORMATION DISCLOSURE CITATION IN AN APPLICATION

Docket Number (Optional)
CR9715 US DIV1

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08/849,404
OF PARENT-

Applicant **LAFFEND ET AL.**

Filing Date **CONCURRENTLY
HEREWITH**

Group Art Unit

1653

OF PARENT

U. S. PATENT DOCUMENTS

[illegible]

FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION	
						YES	NO
	WO-A-91 15590	10/17/91	WORLD				X
	EP-A-0 361 082	4/4/90	EUROPE				X
	WO-A-93 25696	12/23/93	WORLD				
	EP 0 373 230	6/20/90	EUROPE	C12P	7/18		
	DE 3734 764	10/14/87	Germany (Abstract Only)				

OTHER DOCUMENTS *(Including Author, Title, Date, Pertinent Pages, Etc.)*

	Daniel Rolf et al., "Growth Temperature-Dependent Activity of Glycerol Dehydratase in Escherichia Coli Expressing the Citrobacter Freundii dha Regulon", <i>Chemical Abstracts</i> , vol. 118, no. 7, February 15, 1993
	Tong, I TEH et al., "1,3-Propanediol Production by Escherichia Colli Expressing Genes from the Klebsiella Pneumoniae dha Regulon", <i>Chemical Abstracts</i> , vol. 116, no. 9, March 2, 1992
	Otto, Karin Elizabeth, "Cloning and Characterization of the Propanediol Dehydratase Genes in Salmonella Typhimurium", <i>Chemical Abstracts</i> , vol. 120, no. 11, March 14, 1994

EXAMINER

DATE CONSIDERED

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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Docket Number (Optional)

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Applicant

LAFFEND ET AL.

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OF PARENT**U. S. PATENT DOCUMENTS**

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE

FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLATION	
						YES	NO

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

	Boenigk, Rainer et al., "Fermentation of Glycerol to 1, 3-Propanediol in Continuous Cultures of <i>Citrobacter Freundii</i> ", <i>Chemical Abstracts</i> , vol. 118, no. 17, April 26, 1993
	Veiga da Cunha et al., <i>J. Bacteriol.</i> , 174(3), 1013-1019, 1992
	Tong, I-T et al., <i>Appl. Biochem. Biotech.</i> , 34/35, 149-159, 1992

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	Applicant LAFFEND ET AL.	
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OTHER DOCUMENTS *(Including Author, Title, Date, Pertinent Pages, Etc.)*

		Tong, I-T., Ph.D., Thesis, <i>University of Wisconsin-Madison</i> , partial text submitted; full text provided upon request, 1992
		Steib, M. et al. <i>Arch. Microbiol.</i> , 140 139 146 (1984)
		Talarico, T. L. et al., <i>Applied and Environmental Microbiology</i> , April, 1990 pg. 943-948

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	Daniel, R. et al., J. of Bacteriology, 177(8), 2151-2156(1995)
	Tobinatsu, T. et al., J. Biolog. Chem., 270(13), 7142-7148(1995)
	Ruch, F. E. et al., J. Bacteriol., 124(1), 348-352(1975)
	Sobolov, M. et al, 79, 261-266

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